Proficiency Tests

Mathematics

Continual Assessment & Semestral Assessment

3

SAMPLE

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PREFACE

CA & SA Mathematics 3 is designed to assess **Primary 3** students in their understanding and application of mathematical concepts, skills and processes. The trial test papers, written in accordance to the latest **Primary Mathematics syllabus**, cover the two semesters in the school term. Altogether, there are 8 trial test papers: 2 sets of CA1, 2 sets of SA1, 2 sets of CA2 and 2 sets of SA2.

Each trial test paper is divided into three sections which test the students' competency in mathematical concepts, procedural skills for numerical calculation, process skills to reason, connect, think and apply.

Section A, which consists of 15 multiple-choice questions, tests on the students' mathematical knowledge and comprehension ability.

Section B, which consists of 15 short-answer questions, tests on the students' mathematical knowledge, comprehension and application & analysis abilities.

Section C, which consists of 12 word problems, tests on the students' mathematical knowledge, comprehension, application & analysis abilities. Students are encouraged to apply different thinking skills and heuristics in solving routine or non-routine word problems.

Time management is important in mathematical tests and examinations. Students should work towards completing each trial test paper within the given time.

J S Chan
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1st HALF OF THE SCHOOL YEAR

Trial Test 1 (CA 1)..... 1-16
Tests on mathematical knowledge, comprehension, application & analysis with focus on:
- Numbers to 10 000
- Addition and Subtraction of Numbers within 10 000
- Word Problems on Addition and Subtraction

Trial Test 2 (CA 1)..... 1-16
Tests on mathematical knowledge, comprehension, application & analysis with focus on:
- Numbers to 10 000
- Addition and Subtraction of Numbers within 10 000
- Word Problems on Addition and Subtraction

Trial Test 3 (SA 1)..... 1-16
Practice examination which tests on mathematical knowledge, comprehension, application & analysis with focus on:
- Numbers to 10 000
- Addition and Subtraction of Numbers within 10 000
- Multiplication Tables of 6, 7, 8 and 9
- Multiplication and Division
- Two-Step Word Problems on Addition and Subtraction; Multiplication and Division

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- Numbers to 10 000
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- Multiplication and Division
- Two-Step Word Problems on Addition and Subtraction; Multiplication and Division

2nd HALF OF THE SCHOOL YEAR

Trial Test 5 (CA 2)..... 1-16
Tests and revises on mathematical knowledge, comprehension, application & analysis with focus on:
- Numbers to 10 000
- Addition and Subtraction of Numbers within 10 000
- Multiplication Tables of 6, 7, 8 and 9
- Multiplication and Division
- Two-Step Word Problems on Addition and Subtraction; Multiplication and Division
- Money
- Length, Mass and Volume
- Bar Graphs

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Practice examination which tests on mathematical knowledge, comprehension, application & analysis with focus on:
- Numbers to 10 000
- Addition and Subtraction of Numbers within 10 000
- Multiplication Tables of 6, 7, 8 and 9
- Multiplication and Division
- Two-Step Word Problems on Addition and Subtraction; Multiplication and Division
- Money
- Length, Mass and Volume
- Bar Graphs
- Fractions
- Time
- Angles
- Perpendicular and Parallel Lines
- Area and Perimeter

WORKED SOLUTIONS S1-S15

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Name	Class	Date

Primary 3

MATHEMATICS

TRIAL TEST *1* (CA 1)

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INSTRUCTIONS

Total time for all sections: 1 h 30 min

SECTION A
MULTIPLE-CHOICE QUESTIONS [15 × 2 marks]

SECTION B
SHORT-ANSWER [15 × 2 marks]

SECTION C
WORD PROBLEMS [40 marks]

SECTION	MARKS
A	/ 30
B	/ 30
C	/ 40
TOTAL	/ 100

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SECTION A

Questions 1 to 15 carry 2 marks each. Choose the correct answer and write its number (1, 2, 3 or 4) in the brackets provided. (15 × 2 marks)

1. When 1568 is added to 5861, the digit in the tens place of the answer is _____.

(1) 2 (3) 7
(2) 4 (4) 9 ( )

2. 2000 + 790 + 3 = _____

(1) 2793 (3) 2813
(2) 2803 (4) 2823 ( )

3. The digit 9 in 9708 is in the _____ place.

(1) ones (3) hundreds
(2) tens (4) thousands ( )

4. 4381 – 2138 = _____

(1) 2143 (3) 2343
(2) 2243 (4) 2344 ( )

5. 8046 sets of newspapers were sold in a day. 5678 fewer magazines were sold on the same day. How many more sets of newspapers than magazines were sold that day?

(1) 1368 sets (3) 2368 sets
(2) 2278 sets (4) 3368 sets ( )

6. A fruiterer has 7348 apples. 97 apples are rotten. How many apples can the fruiterer sell?

(1) 7221 apples (3) 7427 apples
(2) 7251 apples (4) 7445 apples ( )

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7. The sum of 4168 and 929 is _____.

(1) 3229
(2) 3239
(3) 5087
(4) 5097
( )

8. 35 hundreds 10 tens 9 ones = _____

(1) 3519
(2) 3609
(3) 3619
(4) 3690
( )

9. The difference between _____ and 986 is 5734.

(1) 4748
(2) 4848
(3) 6702
(4) 6720
( )

10. The sum of 2433 and _____ is 4790.

(1) 2267
(2) 2357
(3) 7223
(4) 7323
( )

11. The difference between two numbers is 19. The greater number is 89. What is the smaller number?

(1) 51
(2) 70
(3) 108
(4) 180
( )

12. 10 000 – _____ = 8050 + 20 + 7

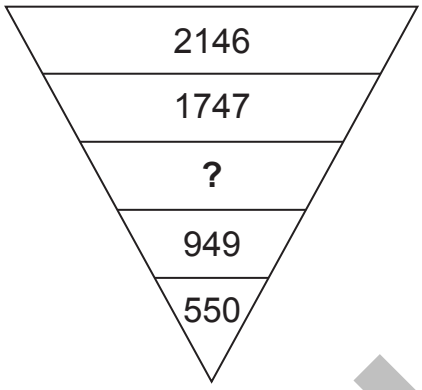
(1) 1923
(2) 1973
(3) 8077
(4) 8527
( )

13. The cost of a handbag, a belt and a pair of shoes is $1757. The cost of the belt and the pair of shoes is $1005. What is the cost of the handbag and the pair of shoes if the pair of shoes is $242 cheaper than the handbag?

(1) $510
(2) $752
(3) $1247
(4) $1262
( )

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14. The numbers in the triangle below are arranged in a pattern. What is the missing number?



(1) 1339
(2) 1348
(3) 1369
(4) 1399 ( )

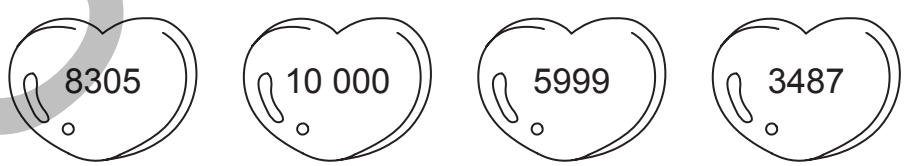
15. 6 thousands 9 hundreds and 1 ten – 3 thousands 2 hundreds and 5 tens = 3 thousands 6 hundreds and _____ tens

(1) 4
(2) 5
(3) 6
(4) 60 ( )

SECTION B

Questions 16 to 30 carry 2 marks each. Write your answers on the lines provided. (15 × 2 marks)

16. Arrange the following numbers in the correct order, starting with the greatest.



_____ , _____ , _____ , _____

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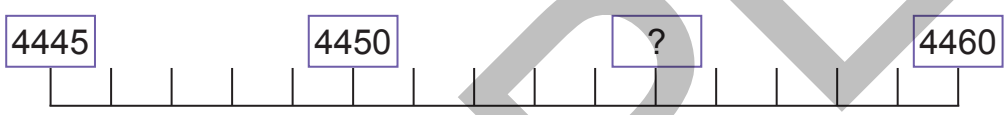
17. Write the given numbers in words.

(a) 4058 _____

(b) 7293 _____

18. The digit 0 in 9034 is in the [ ] place. _____

19. Study the number line shown below carefully. What is the missing number in the box?



_____

20. The difference between 4672 and 2001 is [ ].

_____

21. The value of the digit 6 in 8635 is [ ].

_____

22. Find the sum of 7091 and 53. _____

23. What number comes just after the sum of 106 and 7707?

_____

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24. How many hundreds are there in 5000? _____

25. Form the greatest odd number using the digits 5, 6, 8 and 9.

_____

26. The sum of numbers X and Y is 6167. If number X is 3846, what is number Y?

_____

27. What is the difference between 88 hundreds and 312 tens?

_____

28. 8716 is ☐ hundred more than the sum of 1236 and 7380.

_____

29. A wealthy man gave his four children some money. Each child would receive $1250 more than the next younger sibling. If the youngest child received $1000, how much did the oldest child receive?

$_____

30. Fill in each box with the correct answer.

	4	☐	0	☐	
+		☐	1	☐	3
	1	0	0	0	0

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SECTION C

For questions 31 to 42, show your working clearly in the space and write your answers on the lines provided. The number of marks available is shown in brackets [ ] at the end of each question or part-question.

31. There were 669 men and 807 women at a festive parade. There were 152 more children than adults. How many children were at the festive parade? [3]

Ans: _____

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TRIAL TEST 1 (CA1)

1. (1)
1568 + 5861 = 7429

2. (1)
2000 + 790 + 3 = 2793

3. (4)

4. (2)
4381 – 2138 = 2243

5. (3)
8046 – 5678 = 2368

6. (2)
7348 – 97 = 7251

7. (4)
4168 + 929 = 5097

8. (2)
35 hundreds = 3500; 10 tens = 100
3500 + 100 + 9 = 3609

9. (4)
5734 + 986 = 6720

10. (2)
4790 – 2433 = 2357

11. (2)
89 – 19 = 70

12. (1)
8050 + 20 + 7 = 8077
10 000 – 8077 = 1923

13. (4)
handbag = \$1757 – \$1005 = \$752
shoes = \$752 – \$242 = \$510
\$752 + \$510 = \$1262

14. (2)
2146 – 1747 = 399
949 – 550 = 399
1747 – 399 = 1348

15. (3)
6910 – 3250 = 3660

16. 10 000, 8305, 5999, 3487

17. (a) four thousand and fifty-eight

(b) seven thousand, two hundred and ninety-three

18. hundreds

19. 4455
Each line on the number line is 1.

20. 2671
4672 – 2001 = 2671

21. 600 / 6 hundreds

22. 7144
7091 + 53 = 7144

23. 7814
106 + 7707 = 7813
7813, 7814, ...

24. 50
5000 ÷ 100 = 50

25. 9865

26. 2321
6167 – 3846 = 2321

27. 5680
8800 – 3120 = 5680

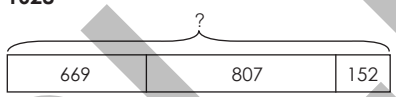
28. 1
1236 + 7380 = 8616
8716 – 8616 = 100 = 1 hundred

29. 4750
\$1250 × 3 = \$3750
\$3750 + \$1000 = \$4750

30.

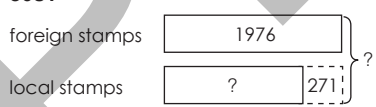
	1	1	1	
	4	8	0	7
+	5	1	9	3
1	0	0	0	0

31. 1628



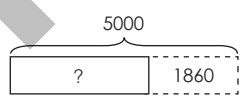
669 + 807 = 1476
1476 + 152 = 1628
1628 children were at the festive parade.

32. 3681



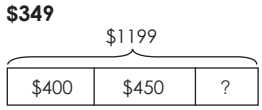
1976 – 271 = 1705
1976 + 1705 = 3681
William has 3681 stamps in all.

33. 3140



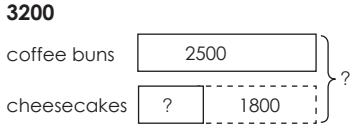
5000 – 1860 = 3140
She has 3140 points now.

34. \$349



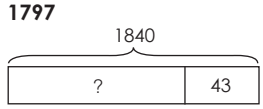
\$400 + \$450 = \$850
\$1199 – \$850 = \$349
Jeanette needs \$349 more.

35. 3200



2500 – 1800 = 700
2500 + 700 = 3200
Baker Dalton bakes 3200 coffee buns and cheesecakes every day.

36. (a) 1797



1840 – 43 = 1797
Jimmy has 1797 music albums at first.

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